

IN THE CLAIMS

Please amend the claims as follows:

1. (Previously Amended) A valve drive of an internal combustion engine comprising:

a cylinder head with at least one camshaft on which at least one cam carrier is mounted so as to be nonrotatable and axially displaceable,

the at least one cam carrier having at least one cam on which at least two different cam travel paths are configured,

the at least one cam carrier, for the purpose of bearing the at least one camshaft, being enclosed in at least one camshaft bearing rigidly mounted on a cylinder head,

means for axially displacing at least one cam carrier in relation to the at least one camshaft between a first axial position and at least one second axial position,

wherein

in the first axial position of the cam carrier, a first contact surface rigidly mounted on a first cam carrier is in contact with a first contact surface rigidly mounted on a cylinder head,

in the second axial position of the cam carrier, a second contact surface rigidly mounted on a cam carrier is in contact with a second contact surface rigidly mounted on a cylinder head, and

means for applying an axial tensioning force are configured between camshaft and cam carrier, the axial tensioning force displacing the cam carrier in the area of the first axial position in the direction of the first axial position, and in the area of the second axial position in the direction of the second axial position.

2. (Previously Amended) The valve drive as claimed in claim 1, wherein the first axial contact surface rigidly mounted on a cam carrier and the second contact surface rigidly mounted on a cam carrier are side surfaces of the at least one cam.

3. (Previously Amended) The valve drive as claimed in claim 1, wherein the first contact surface rigidly mounted on a cylinder head and the second contact surface rigidly mounted on a cylinder head are side surfaces of at least one camshaft bearing.

4. (Previously Amended) The valve drive as claimed in claim 1, wherein the means for application of an axial tensioning force from the base camshaft to the cam carrier is configured as a detent device.

5. (Previously Amended) The valve drive as claimed in claim 4, wherein the detent device has a detent means mounted in the camshaft and movable in the radial direction, the detent means being pressed radially outward by a force against the interior surface of the cam carrier, and wherein at least two circumferential and axially spaced detent grooves are configured on the interior surface of the cam carrier, and wherein the detent grooves are designed in the cam carrier to be v-shaped, as a result of which the two sides of the detent groove form a ramp for the detent means.

6. (Original) The valve drive as claimed in claim 5, wherein the radially oriented force is the restoring force of a spring element.

7. (Previously Amended) The valve drive as claimed in claim 5, wherein the detent means is a stop bolt, and wherein the sides of the stop bolt facing the detent grooves are rounded.

8. (Previously Amended) The valve drive as claimed in claim 5, wherein the detent means is a stop ball.

9. (Previously Amended) The valve drive as claimed in claim 1, wherein on the at least one base cam shaft a cam carrier is mounted for each cylinder of the internal combustion engine.

10. (New) A camshaft of an internal combustion chamber provided with a cylinder head, comprising:

a shaft mounted on said cylinder head for rotation about the axis thereof;

at least one cam carrier nonrotatably mounted on said shaft and displaceable axially, including a cylindrical section journaled in said cylinder head and a pair of opposed surfaces

engageable with abutment surfaces of said cylinder head to restrict the axial displacement of said cam carrier in first and second axially spaced positions, at least one cam section having at least two different cam surface profiles, and a section provided with a helical groove cooperable with a member selectively insertable in said groove effective to impart axial displacement of said cam carrier between said first and second positions as said shaft is rotated;

means cooperative with said cam carrier effective to impart axial displacement of said carrier member between said first and second position in a direction opposite of the direction of movement imparted by said helical groove; and

means mounted on one of said shaft and cam carrier and cooperative with the other thereof for trippably retaining said cam carrier in one of said first and second positions.